

查询CMSZ5221B供应商



CMSZ5221B
THRU
CMSZ5261B

250 mW ZENER DIODE
5% TOLERANCE

CentralTM
Semiconductor Corp.



SOT-323 CASE

ABSOLUTE MAXIMUM RATINGS

Power Dissipation (@ $T_A=25^\circ\text{C}$)
Operating and Storage Temperature
Thermal Resistance

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMSZ5221B Series Silicon Zener Diode is a high quality voltage regulator for use in industrial, commercial, entertainment and computer applications. Higher voltage devices are available on special order.

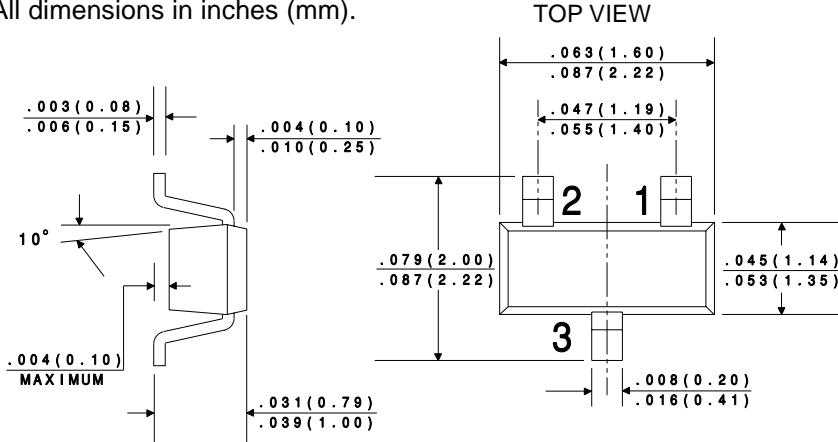
| SYMBOL | UNITS |
|---------------------|-------------------------------|
| P_D | 250 mW |
| $T_{J,T\text{stg}}$ | -65 to + 175 $^\circ\text{C}$ |
| Θ_{JA} | 500 $^\circ\text{C}/\text{W}$ |

ELECTRICAL CHARACTERISTICS ($T_A=25^\circ\text{C}$), $V_F=0.9\text{V}$ MAX @ $I_F = 10\text{mA}$ FOR ALL TYPES.

| TYPE | ZENER VOLTAGE | | | TEST CURRENT I_{ZT} | MAXIMUM ZENER IMPEDANCE | | | MAXIMUM REVERSE CURRENT | | MAX. TEMP. COEFF. | MARKING CODE | | |
|-----------|------------------|-----|-------|--------------------------|-------------------------|----------|------|-------------------------|-------|---------------------|--------------|--|--|
| | V_Z @ I_{ZT} | | | | Z_{ZT} @ I_{ZT} | | | I_R @ V_R | | | | | |
| | MIN | NOM | MAX | | Ω | Ω | mA | μA | VOLTS | %/ $^\circ\text{C}$ | | | |
| CMSZ5221B | 2.280 | 2.4 | 2.520 | 20 | 30 | 1200 | 0.25 | 100 | 1.0 | -0.085 | 8A1 | | |
| CMSZ5222B | 2.375 | 2.5 | 2.625 | 20 | 30 | 1250 | 0.25 | 100 | 1.0 | -0.085 | 8B1 | | |
| CMSZ5223B | 2.565 | 2.7 | 2.835 | 20 | 30 | 1300 | 0.25 | 75 | 1.0 | -0.080 | 8C1 | | |
| CMSZ5224B | 2.660 | 2.8 | 2.940 | 20 | 30 | 1400 | 0.25 | 75 | 1.0 | -0.080 | 8D1 | | |
| CMSZ5225B | 2.850 | 3.0 | 3.150 | 20 | 29 | 1600 | 0.25 | 50 | 1.0 | -0.075 | 8E1 | | |
| CMSZ5226B | 3.135 | 3.3 | 3.465 | 20 | 28 | 1600 | 0.25 | 25 | 1.0 | -0.070 | 8AC | | |
| CMSZ5227B | 3.420 | 3.6 | 3.780 | 20 | 24 | 1700 | 0.25 | 15 | 1.0 | -0.065 | 8BC | | |
| CMSZ5228B | 3.705 | 3.9 | 4.095 | 20 | 23 | 1900 | 0.25 | 10 | 1.0 | -0.060 | 8CC | | |
| CMSZ5229B | 4.085 | 4.3 | 4.515 | 20 | 22 | 2000 | 0.25 | 5.0 | 1.0 | ± 0.055 | 8DC | | |
| CMSZ5230B | 4.465 | 4.7 | 4.935 | 20 | 19 | 1900 | 0.25 | 5.0 | 2.0 | ± 0.030 | 8EC | | |
| CMSZ5231B | 4.845 | 5.1 | 5.355 | 20 | 17 | 1600 | 0.25 | 5.0 | 2.0 | ± 0.030 | 8FC | | |
| CMSZ5232B | 5.320 | 5.6 | 5.880 | 20 | 11 | 1600 | 0.25 | 5.0 | 3.0 | ± 0.038 | 8GC | | |
| CMSZ5233B | 5.700 | 6.0 | 6.300 | 20 | 7.0 | 1600 | 0.25 | 5.0 | 3.5 | ± 0.038 | 8HC | | |
| CMSZ5234B | 5.890 | 6.2 | 6.510 | 20 | 7.0 | 1000 | 0.25 | 5.0 | 4.0 | ± 0.045 | 8JC | | |
| CMSZ5235B | 6.460 | 6.8 | 7.140 | 20 | 5.0 | 750 | 0.25 | 3.0 | 5.0 | ± 0.050 | 8KC | | |
| CMSZ5236B | 7.125 | 7.5 | 7.875 | 20 | 6.0 | 500 | 0.25 | 3.0 | 6.0 | ± 0.058 | 8LC | | |
| CMSZ5237B | 7.790 | 8.2 | 8.610 | 20 | 8.0 | 500 | 0.25 | 3.0 | 6.5 | ± 0.062 | 8MC | | |
| CMSZ5238B | 8.265 | 8.7 | 9.135 | 20 | 8.0 | 600 | 0.25 | 3.0 | 6.5 | ± 0.065 | 8NC | | |
| CMSZ5239B | 8.645 | 9.1 | 9.555 | 20 | 10 | 600 | 0.25 | 3.0 | 7.0 | ± 0.068 | 8PC | | |
| CMSZ5240B | 9.500 | 10 | 10.50 | 20 | 17 | 600 | 0.25 | 3.0 | 8.0 | ± 0.075 | 8QC | | |
| CMSZ5241B | 10.45 | 11 | 11.55 | 20 | 22 | 600 | 0.25 | 2.0 | 8.4 | ± 0.076 | 8RC | | |
| CMSZ5242B | 11.40 | 12 | 12.60 | 20 | 30 | 600 | 0.25 | 1.0 | 9.1 | ± 0.077 | 8SC | | |
| CMSZ5243B | 12.35 | 13 | 13.65 | 9.5 | 13 | 600 | 0.25 | 0.5 | 9.9 | ± 0.079 | 8TC | | |
| CMSZ5244B | 13.30 | 14 | 14.70 | 9.0 | 15 | 600 | 0.25 | 0.1 | 10 | ± 0.082 | 8UC | | |

| TYPE | ZENER VOLTAGE | | | TEST CURRENT | MAXIMUM ZENER IMPEDANCE | | | MAXIMUM REVERSE CURRENT | | MAX. TEMP. COEFF. | MARKING CODE |
|-----------|----------------------------------|-------|-------|-----------------|-----------------------------------|------|-----------------------------------|-------------------------|---------------------------------|-------------------|--------------|
| | V _Z @ I _{ZT} | | | | Z _{ZT} @ I _{ZT} | | Z _{ZK} @ I _{ZK} | | I _R @ V _R | θV _Z | |
| | MIN | NOM | MAX | I _{ZT} | Ω | Ω | mA | μA | VOLTS | %/°C | |
| | VOLTS | VOLTS | VOLTS | mA | Ω | Ω | mA | μA | VOLTS | %/°C | |
| CMSZ5245B | 14.25 | 15 | 15.75 | 8.5 | 16 | 600 | 0.25 | 0.1 | 11 | +0.082 | 8VC |
| CMSZ5246B | 15.20 | 16 | 16.80 | 7.8 | 17 | 600 | 0.25 | 0.1 | 12 | +0.083 | 8WC |
| CMSZ5247B | 16.15 | 17 | 17.85 | 7.4 | 19 | 600 | 0.25 | 0.1 | 13 | +0.084 | 8XC |
| CMSZ5248B | 17.10 | 18 | 18.90 | 7.0 | 21 | 600 | 0.25 | 0.1 | 14 | +0.085 | 8YC |
| CMSZ5249B | 18.05 | 19 | 19.95 | 6.6 | 23 | 600 | 0.25 | 0.1 | 14 | +0.086 | 8ZC |
| CMSZ5250B | 19.00 | 20 | 21.00 | 6.2 | 25 | 600 | 0.25 | 0.1 | 15 | +0.086 | 1A8 |
| CMSZ5251B | 20.90 | 22 | 23.10 | 5.6 | 29 | 600 | 0.25 | 0.1 | 17 | +0.087 | 1B8 |
| CMSZ5252B | 22.80 | 24 | 25.20 | 5.2 | 33 | 600 | 0.25 | 0.1 | 18 | +0.088 | 1C8 |
| CMSZ5253B | 23.75 | 25 | 26.25 | 5.0 | 35 | 600 | 0.25 | 0.1 | 19 | +0.089 | 1D8 |
| CMSZ5254B | 25.65 | 27 | 28.35 | 4.6 | 41 | 600 | 0.25 | 0.1 | 21 | +0.090 | 1E8 |
| CMSZ5255B | 26.60 | 28 | 29.40 | 4.5 | 44 | 600 | 0.25 | 0.1 | 21 | +0.091 | 1F8 |
| CMSZ5256B | 28.50 | 30 | 31.50 | 4.2 | 49 | 600 | 0.25 | 0.1 | 23 | +0.091 | 1G8 |
| CMSZ5257B | 31.35 | 33 | 34.65 | 3.8 | 58 | 700 | 0.25 | 0.1 | 25 | +0.092 | 1H8 |
| CMSZ5258B | 34.20 | 36 | 37.80 | 3.4 | 70 | 700 | 0.25 | 0.1 | 27 | +0.093 | 1J8 |
| CMSZ5259B | 37.05 | 39 | 40.95 | 3.2 | 80 | 800 | 0.25 | 0.1 | 30 | +0.094 | 1K8 |
| CMSZ5260B | 40.85 | 43 | 45.15 | 3.0 | 93 | 900 | 0.25 | 0.1 | 33 | +0.095 | 1L8 |
| CMSZ5261B | 44.65 | 47 | 49.35 | 2.7 | 105 | 1000 | 0.25 | 0.1 | 36 | +0.095 | 1M8 |

All dimensions in inches (mm).



NO
CONNECTION

